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S7	292	S1 S2 S3 S4 S5 S6	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/19 18:04
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S9	11026078	@ad<"20000914"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/19 18:05
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1 Creating a Linux Firewall Using the TIS Toolkit
Benjamin Ewy
May 1996 **Linux Journal**
Publisher: Specialized Systems Consultants, Inc.
Full text available: 🗎 html(27.94 KB) Additional Information: full citation, abstract, index terms

Get flexible and reliable control of your network's interaction with the outside world

2 Integrating security in a large distributed system
M. Satyanarayanan
August 1989 **ACM Transactions on Computer Systems (TOCS)**, Volume 7 Issue 3
Publisher: ACM Press
Full text available: 🗎 pdf(2.90 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Andrew is a distributed computing environment that is a synthesis of the personal computing and timesharing paradigms. When mature, it is expected to encompass over 5,000 workstations spanning the Carnegie Mellon University campus. This paper examines the security issues that arise in such an environment and describes the mechanisms that have been developed to address them. These mechanisms include the logical and physical separation of servers and clients, support for secure communication ...

3 System Administration
David Guerrero
February 1999 **Linux Journal**
Publisher: Specialized Systems Consultants, Inc.
Full text available: 🗎 html(20.30 KB)   Additional Information: full citation, abstract, references

Caching the Web, Part 2: This month Mr. Guerrero tells us about the definitive proxy-cache server, Squid

4 New design concepts for an intelligent Internet
Geng-Sheng Kuo, Jing-Pei Lin
November 1998 **Communications of the ACM**, Volume 41 Issue 11
Publisher: ACM Press
Full text available: 🗎 pdf(153.32 KB)   Additional Information: full citation, references, index terms

5
Working with Cisco access lists

Gilbert A. Held
May 1999 **International Journal of Network Management**, Volume 9 Issue 3
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(129.46 KB)   Additional Information: full citation, abstract, index terms

The first line of defense of a network is accomplished through the creation of a router access list. This paper examines the creation and application of Cisco access lists and explains why they must be applied to an interface to go into effect. Copyright © 1999 John Wiley & Sons, Ltd.

6 Network security, filters and firewalls
Darren Bolding
September 1995 **Crossroads**, Volume 2 Issue 1
Publisher: ACM Press
Full text available: html(25.57 KB)   Additional Information: full citation, index terms

7 Protection and the control of information sharing in multics
Jerome H. Saltzer
July 1974 **Communications of the ACM**, Volume 17 Issue 7
Publisher: ACM Press
Full text available: pdf(1.75 MB)   Additional Information: full citation, abstract, references, citings, index terms

The design of mechanisms to control the sharing of information in the Multics system is described. Five design principles help provide insight into the tradeoffs among different possible designs. The key mechanisms described include access control lists, hierarchical control of access specifications, identification and authentication of users, and primary memory protection. The paper ends with a discussion of several known weaknesses in the current protection mechanism design.

Keywords: Multics, access control, authentication, computer utilities, descriptors, privacy, proprietary programs, protected subsystems, protection, security, time-sharing systems, virtual memory

8 Secure and mobile networking
Vipul Gupta, Gabriel Montenegro
December 1998 **Mobile Networks and Applications**, Volume 3 Issue 4
Publisher: Kluwer Academic Publishers
Full text available: pdf(223.39 KB)   Additional Information: full citation, abstract, references, citings, index terms

The IETF Mobile IP protocol is a significant step towards enabling nomadic Internet users. It allows a mobile node to maintain and use the same IP address even as it changes its point of attachment to the Internet. Mobility implies higher security risks than static operation. Portable devices may be stolen or their traffic may, at times, pass through links with questionable security characteristics. Most commercial organizations use some combination of source-filtering routers, sophisticate ...

9 Putting it together a multi-dimensional approach to Internet security
Frederick M. Avolio
May 1998 **netWorker**, Volume 2 Issue 2
Publisher: ACM Press
Full text available: pdf(367.36 KB) Additional Information: full citation, references, index terms

10 Hive: fault containment for shared-memory multiprocessors

J. Chapin, M. Rosenblum, S. Devine, T. Lahiri, D. Teodosiu, A. Gupta
December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM symposium on Operating systems principles SOSP '95**, Volume 29 Issue 5
Publisher: ACM Press

Full text available: pdf(1.90 MB)   Additional Information: full citation, references, citings, index terms

11 A security paradigm for Web databases

Chuanxue Bi, Nenad Jukic
April 1999 **Proceedings of the 37th annual Southeast regional conference (CD-ROM)**
Publisher: ACM Press

Full text available: pdf(24.52 KB)   Additional Information: full citation, index terms

12 Pakistan On-Line

Rafeeq Ur Rehman
April 2000 **Linux Journal**
Publisher: Specialized Systems Consultants, Inc.

Full text available: html(11.70 KB)   Additional Information: full citation, abstract, references, index terms

Linux is being usedan ISP in Pakistan--Mr. Rehman tells us why.

13 Security issues surrounding programming languages for mobile code: JAVA vs. Safe-Tcl

Stefanos Gritzalis, George Aggelis
April 1998 **ACM SIGOPS Operating Systems Review**, Volume 32 Issue 2
Publisher: ACM Press

Full text available: pdf(1.42 MB)   Additional Information: full citation, abstract, references

JAVA is claimed to be a system programming language having a number of advantages over traditional programming languages. These advantages stem from the fact that it is a platform - independent language, thus promising truly network oriented computing as long as a nearly universal system for distributing applications. On the other hand, although being an interpreted, much simpler, scripting language, Safe-Tcl was proposed as an executable contents type of MIME and thus as the standard language f ...

14 Multi-model parallel programming in psyche

M. L. Scott, T. J. LeBlanc, B. D. Marsh
February 1990 **ACM SIGPLAN Notices , Proceedings of the second ACM SIGPLAN symposium on Principles & practice of parallel programming PPOPP '90**, Volume 25 Issue 3
Publisher: ACM Press

Full text available: pdf(1.48 MB)   Additional Information: full citation, abstract, references, citings, index terms

Many different parallel programming models, including lightweight processes that communicate with shared memory and heavyweight processes that communicate with messages, have been used to implement parallel applications. Unfortunately, operating systems and languages designed for parallel programming typically support only one model. Multi-model parallel programming is the simultaneous use of several different models, both across programs and within a single program. This paper describes mu ...

15 Secure group communications using key graphs

Chung Kei Wong, Mohamed Gouda, Simon S. Lam
October 1998 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '98 conference on Applications, technologies, architectures, and protocols for computer communication SIGCOMM**

'98, Volume 28 Issue 4

Publisher: ACM Press

Full text available: pdf(1.68 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> <u>terms</u>

Many emerging applications (e.g., teleconference, real-time information services, pay per view, distributed interactive simulation, and collaborative work) are based upon a group communications model, i.e., they require packet delivery from one or more authorized senders to a very large number of authorized receivers. As a result, securing group communications (i.e., providing confidentiality, integrity, and authenticity of messages delivered between group members) will become a critical network ...

16   Multicast security and its extension to a mobile environment

Li Gong, Nachum Shacham

August 1995 **Wireless Networks**, Volume 1 Issue 3

Publisher: Kluwer Academic Publishers

Full text available: pdf(1.22 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>

Multicast is rapidly becoming an important mode of communication and a good platform for building group-oriented services. To be used for trusted communication, however, current multicast schemes must be supplemented by mechanisms for protecting traffic, controlling participation, and restricting access of unauthorized users to data exchanged by the participants. In this paper, we consider fundamental security issues in building a trusted multicast facility. We discuss techniques for group- ...

17   An architecture for a secure service discovery service

Steven E. Czerwinski, Ben Y. Zhao, Todd D. Hodes, Anthony D. Joseph, Randy H. Katz

August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking**

Publisher: ACM Press

Full text available: pdf(1.47 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

18   Problems with DCE security services

Gregory White, Udo Pooch

October 1995 **ACM SIGCOMM Computer Communication Review**, Volume 25 Issue 5

Publisher: ACM Press

Full text available: pdf(479.39 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>index terms</u>

Distributed computing is receiving an ever increasing amount of interest and with it come many challenges, not the least of which is how to maintain system and network security. Issues relating to user authentication, access authorization, and communication security must be addressed when multiple, heterogeneous systems are connected. While these issues have been addressed in OSFs DCE, several problems remain. This paper describes some of these problems.

19   Napoleon: network application policy environment

D. Thomsen, R. O'Brien, C. Payne

October 1999 **Proceedings of the fourth ACM workshop on Role-based access control**

Publisher: ACM Press

Full text available: pdf(902.16 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

20   Hardware fault containment in scalable shared-memory multiprocessors

Dan Teodosiu, Joel Baxter, Kinshuk Govil, John Chapin, Mendel Rosenblum, Mark Horowitz

May 1997 **ACM SIGARCH Computer Architecture News , Proceedings of the 24th annual international symposium on Computer architecture ISCA '97**, Volume 25 Issue 2

Publisher: ACM Press

Full text available: pdf(2.05 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Current shared-memory multiprocessors are inherently vulnerable to faults: any significant hardware or system software fault causes the entire system to fail. Unless provisions are made to limit the impact of faults, users will perceive a decrease in reliability when they entrust their applications to larger machines. This paper shows that fault containment techniques can be effectively applied to scalable shared-memory multiprocessors to reduce the reliability problems created by increased mach ...

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